



JPW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Georgios B. Giannakis; Confirmation No. 9359
Shengli Zhou
Serial No.: 10/770,116
Filed: February 2, 2004 Customer No.: 28863
Examiner: Unknown
Group Art Unit: 2681
Docket No.: 1008-022US01
Title: ADAPTIVE MODULATION FOR MULTI-ANTENNA TRANSMISSIONS
WITH PARTIAL CHANNEL KNOWLEDGE

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service, as First Class Mail, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on

August 18, 2005

By:

Beth M. Lindblom

Name: Beth M. Lindblom

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendments
Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits the references listed on the attached form PTO-1449. This statement is being filed, to the best of Applicant's knowledge, before the receipt of a first Office Action on the merits.

Applicant has enclosed a copy of each article cited.

Respectfully submitted,

Date: August 18, 2005

Shumaker & Sieffert, P.A.
8425 Seasons Parkway, Suite 105
St. Paul, Minnesota 55125
Phone: (651) 735-1100
Fax: (651) 735-1102

Kent J. Sieffert
By: Kent J. Sieffert
Reg. No.: 41, 312



Form 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 1008-022US01		Application Number: 10/770,116	
		Applicant: Georgios B. Giannakis; Shengli Zhou			
		Filing Date: February 2, 2004		Group Art Unit: 2681	
		Examiner Name: Unknown			
U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate	
FOREIGN PATENT DOCUMENTS					
Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No
OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)					
	M. Guillaud et al., "Multi-Stream Coding for MIMO OFDM Systems With Space-Time-Frequency Spreading," Wireless Personal Multimedia Communications, the 5 th International Symposium, Vol. 1, pp. 120-124, October 27-30, 2002.				
	Y. Gong et al., "Space-Frequency-Time Coded OFDM for Broadband Wireless Communications," Global Telecommunications Conference, GLOBECOM '01, IEEE, Vo. 1, pp. 519-523, November 25-29, 2001.				
EXAMINER			Date Considered		
<small>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					

Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce